



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/760,099	01/16/2004	Tanya L. Swartz	M61.12-0571	7350
27366 7590 11/28/2007 WESTMAN, CHAMPLIN (MICROSOFT CORPORATION) SUITE 1400 900 SECOND AVENUE SOUTH MINNEAPOLIS, MN 55402-3319			EXAMINER ALAM, SHAHID AL	
			ART UNIT 2162	PAPER NUMBER
			MAIL DATE 11/28/2007	DELIVERY MODE PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.



UNITED STATES PATENT AND TRADEMARK OFFICE

---

Commissioner for Patents  
United States Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

**MAILED**

**NOV 28 2007**

*Technology Center 2100*

**BEFORE THE BOARD OF PATENT APPEALS  
AND INTERFERENCES**

Application Number: 10/760,099  
Filing Date: January 16, 2004  
Appellant(s): SWARTZ ET AL.

Brian D. Kaul, Attorney  
For Appellant

**EXAMINER'S ANSWER**

This is in response to the appeal brief filed 15 August 2007 appealing from the Office action mailed 26 March 2007.

**(1) Real Party in Interest**

A statement identifying by name the real party in interest is contained in the brief.

**(2) Related Appeals and Interferences**

The examiner is not aware of any related appeals, interferences, or judicial proceedings which will directly affect or be directly affected by or have a bearing on the Board's decision in the pending appeal.

**(3) Status of Claims**

The statement of the status of claims contained in the brief is correct.

**(4) Status of Amendments After Final**

The appellant's statement of the status of amendments after final rejection contained in the brief is correct.

**(5) Summary of Claimed Subject Matter**

The summary of claimed subject matter contained in the brief is correct.

**(6) Grounds of Rejection to be Reviewed on Appeal**

The appellant's statement of the grounds of rejection to be reviewed on appeal is correct.

**(7) Claims Appendix**

The copy of the appealed claims contained in the Appendix to the brief is correct.

**(8) Evidence Relied Upon**

20040117358

von KAENEL et al.

6-2004

**(9) Grounds of Rejection**

The following ground(s) of rejection are applicable to the appealed claims:

***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1 – 25 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent Application Publication Number 2004/0117358 A1 issued to Tim von Kaenel et al. (hereinafter "Kaenel").

With respect to claim 1, Kaenel teaches method of customizing a software-implemented business process (paragraph [0465]) comprising:

- a) providing customized metadata defining entities (paragraph [0248]);
- b) storing the customized metadata and data corresponding to the entities in a first data store (paragraph [0324]);

c) providing a subscription list of the entities, the subscription list being defined by subscription metadata stored in a subscription data store of a mobile computing device (paragraph [0329]);

d) sending the customized metadata corresponding to the entities identified in the subscription list to the mobile computing device (paragraph [0329]); and

e) storing the sent customized metadata in a second data store of the mobile computing device (paragraphs [0065, 0337] and Figure 18).

As to claim 2, sending the data corresponding to the entities identified in the subscription list to the mobile computing device (paragraph [0400]); and storing the sent data in the second data store (paragraph [0324]).

As to claim 3, populating an entity defined by the sent customized metadata with the corresponding sent data (paragraph [0471]).

As to claim 4, displaying the populated entity on the mobile computing device in accordance with a form defined by the sent customized metadata for the populated entity (paragraph [0471]).

As to claim 5, the mobile computing device is selected from a group consisting of a mobile phone and a personal digital assistant (PDA) (paragraph [0354]).

As to claim 6, the customized metadata define data fields of the entities (paragraph [0296]).

As to claim 7, the customized metadata define presentation forms for the entities (paragraph [0296]).

As to claim 8, the storing step e) includes replacing old customized metadata stored in the second data store with at least some of the sent customized metadata (paragraph [0324]).

With respect to claim 15, further to the rejection of claim 1, Kaenel teaches a synchronizer configured to send the customized metadata corresponding to the entities identified in the subscription list to the mobile computing device for storage in the second data store (see paragraph [0269]).

The subject matter of claims 9 – 14 and 16 – 25 are rejected in the analysis above in claims 1 – 8 and 15 and therefore, these claims are rejected on that basis.

#### **(10) Response to Argument**

Appellant's main arguments regarding the rejections of claims 1 – 25 are:

Argument No. 1: A *prima facie* case of anticipation has not been established.

Argument No. 2: The cited paragraph does not teach "providing customized metadata defining entities"; the cited paragraph fails to identically disclose claimed invention; the cited paragraph does not mention "a subscription list", "Subscription metadata", "a subscription data store" or "a mobile computing device".

Therefore, Applicant's main arguments are that a *prima facie* case of anticipation has not been established and that the cited paragraph fails to identically disclose the subject matter as claimed.

**Examiner's Response to Arguments:**

Examiner is entitled to give claim limitations their broadest reasonable interpretation in light of the specification. See MPEP 2111 [R-1]

**Interpretation of Claims-Broadest Reasonable Interpretation**

During patent examination, the pending claims must be 'given the broadest reasonable interpretation consistent with the specification.' Applicant always has the opportunity to amend the claims during prosecution and broad interpretation by the examiner reduces the possibility that the claim, once issued, will be interpreted more broadly than is justified. In re Prater, 162 USPQ 541,550-51 (CCPA 1969).

In response to Applicants' argument that Kaenel does not disclose claimed limitations in the cited section (cited location has nothing to do with applicant's invention). Examiner likes to point out that in the "Schering Corp. v. Geneva Pharmaceuticals Inc., 64 USPQ2d 1032 (DC NJ 2002) Decided August 8, 2002."

In the above case it is concluded that the prior art **disclosure need not be express in order to anticipate**. Even if a prior art inventor does not recognize a function of his or her process, **the process can anticipate if that function was inherent**. To establish inherency, the extrinsic evidence must make clear that the missing descriptive matter is necessarily present in the thing described in the reference, and **that it would be so recognized by persons of ordinary skill. Inherency is not necessarily coterminous with the knowledge of those of ordinary skill in the art.** Artisans of ordinary skill may not recognize the inherent characteristics or functioning of the prior art. However, the discovery of a previously unappreciated property of a prior art composition, or of a scientific explanation for the prior art's functioning, does not

render the old composition patentably new to the discoverer. Insufficient prior understanding of the inherent properties of a known composition does not defeat a finding of anticipation.

Last Office action was an anticipatory rejection. A claim is anticipated only if each and every element as set forth in the claim is found, either expressly or inherently described, in a single prior art reference.” Verdegaal Bros. v. Union Oil Co. of California, 814 F.2d 628, 631, 2 USPQ2d 1051, 1053 (Fed. Cir. 1987). >“When a claim covers several structures or compositions, either generically or as alternatives, the claim is deemed anticipated if any of the structures or compositions within the scope of the claim is known in the prior art.” Brown v. 3M, 265 F.3d 1349, 1351, 60 USPQ2d 1375, 1376 (Fed. Cir. 2001) (claim to a system for setting a computer clock to an offset time to address the Year 2000 (Y2K) problem, applicable to records with year date data in “at least one of two-digit, three-digit, or four-digit” representations, was held anticipated by a system that offsets year dates in only two-digit formats). See also MPEP § 2131.02.< “The identical invention must be shown in as complete detail as is contained in the ... claim.” Richardson v. Suzuki Motor Co., 868 F.2d 1226, 1236, 9 USPQ2d 1913, 1920 (Fed. Cir. 1989). **The elements must be arranged as required by the claim, but this is not an ipsissimis verbis test, i.e., identity of terminology is not required.** In re Bond, 910 F.2d 831, 15 USPQ2d 1566 (Fed. Cir. 1990).

To anticipate, a prior art can be an analogous art and the determination of what arts are analogous to a particular claimed invention is that **it depends upon the necessary essential function or utility of the subject matter covered by the claims, and not upon what it is called by the applicant.** For example, for search purposes, a tea mixer and a concrete mixer may both be regarded as relating to the



mixing art, this being the necessary function of each. Similarly a brick-cutting machine and a biscuit cutting machine may be considered as having the same necessary function.

**Drawings and pictures can anticipate claims if they clearly show the structure which is claimed.** In re Mraz, 455 F.2d 1069, 173 USPQ 25 (CCPA 1972). However, the picture must show all the claimed structural features and how they are put together. Jockmus v. Leviton, 28 F.2d 812 (2d Cir. 1928). The origin of the drawing is immaterial. For instance, drawings in a design patent can anticipate or make obvious the claimed invention as can drawings in utility patents. When the reference is a utility patent, it does not matter that the feature shown is unintended or unexplained in the specification.

**The drawings must be evaluated for what they reasonably disclose and suggest to one of ordinary skill in the art.** In re Aslanian, 590 F.2d 911, 200 USPQ 500 (CCPA 1979). See MPEP § 2121.04 for more information on prior art drawings as "enabled disclosures."

Examiner cited Figure 15 and Figure 15 shows metadata generation and metadata store and data store and a loading system. Here after generating metadata it is placed in metadata store for storage. Of course, after generating a metadata, user will not delete but should store for later use. Figure 15 shows a table 1513 and that shows Acme Corp. and their metadata being customer name and location information. Customer Name has their metadata as being ABC corp., XYZ Inc. etc.. Since, ABC Corp, XYZ Inc. and Big Corp. are entities and these entities include metadata as type of

building, address, city, these are called metadata defining entity. Likewise, Data Store and Metadata Store are also entity and they store data and metadata which is data about data. Kaenel teaches in Para [0337] that metadata is created and stored in metadata store and utilization of XML or other format by the user (see Para [0329]).

In response to applicant's argument, a *prima facie* case of anticipation is established as discussed above and in the last Office action.

**(11) Related Proceeding(s) Appendix**

No decision rendered by a court or the Board is identified by the examiner in the Related Appeals and Interferences section of this examiner's answer.

For the above reasons, it is believed that the rejections should be sustained.

Art Unit: 2162

Respectfully submitted,

Shahid Al Alam



Primary Patent Examiner, Art Unit 2162

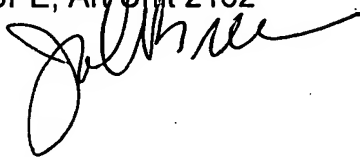
November 26, 2007

Conferees:

Hosain T. Alam, SPE, Art Unit 2166



John Breene, SPE, Art Unit 2162



Westman, Champlin & Kelly, P.A.

900 Second Avenue South, Suite 1400

Minneapolis, Minnesota 55402-3319